

USAMMDA INFORMATION PAPER**PRODUCT: COMBINED CAMOUFLAGE FACE PAINT**

DESCRIPTION: Camouflage face paint now offers more than simple concealment. The new Combined Camouflage Face Paint (CCFP) is a U.S. Environmental Protection Agency registered blend of face paint with DEET insect repellent to provide a minimum of 8 hours of protection against biting insects. The new CCFP is packaged in a compact container with a mirror on top and compartments on the bottom to provide for 20 applications of the loam, green, and sand colors, and 10 applications of black and white colors. Inclusion of insect repellent protection will reduce nuisance factors by repelling insects near the face and help reduce diseases (e.g., malaria and dengue fever) transmitted by biting insects. All CCFP formulations will be used by individual soldiers for protection against biting insects, protection against detection by night vision goggles (the face paint reduces a soldier's near-infrared signature), and for blending into the environment in all military missions. A CCFP pre-planned product improvement program has begun to provide CCFP in stick-type dispensers. If funding is provided, efforts will begin to reduce a soldier's thermal signature that can be detected by thermal imagers (your face/hands glow brightly when viewed by a thermal imager).

PROGRAM RELEVANCE to the ARMY: This product supports both the core mission of the Army and the Army Transformation. Of the Army's core competencies, this product supports: "Shape the Security Environment," "Forcible Entry Operations," "Sustained Land Dominance" and "Support Civil Authorities" by protecting U.S. Forces against diseases due to biting insects. The CCFP with DEET insect repellent will improve soldier survivability and sustainability in regions of the world where biting insects transmit diseases. In addition, this product supports Future Operational Capability MD97-007 (Medical: Preventive Medicine); DBS 97-024 (Dismounted Battlespace Battle Lab: Survivability - Signature Reduction); EN 97-013 (Engineers: Camouflage, Concealment, and Deception); IN 97-240 (Infantry: Survivability - Signature Reduction); MP 97-001 (Military Police: Survivability); MSB 97-008 (Maneuver Support Battle Lab: Camouflage and Signature Reduction); and QM 97-006 (Quartermaster: Clothing and Individual Equipment).

ISSUES/ ACTIONS:

- Funding is not available to work on Thermal Signature Reduction formulations (TSR) to optimize a thermal binder formulation for continued investigation of alternative low emissive additives for face paint formulations for thermal signature reduction. Without TSR funding, all efforts are focused on developing new camouflage sticks (cylindrical dispensers) with DEET insect repellent, adding near-infrared signature reduction capability, and a new packaging scheme.

BPL #: 370**DA PROJECT/TASK:** Infectious Diseases

PE/PROJ 643807.808UH

MAMP RANK: 19/36**ARMY ORD:** Camouflage Face Paint (CARDS #14025), 28 May 1999**SCHEDULE:**

MS I 1QFY00

MS FRP 1QFY03 (repellent formulation)

MS FRP 4QFY06 (thermal signature reduction P3I)

For additional information, contact: Pharmaceutical System Division, DSN 343-2051, Comm. 301-619-2051